

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-004661**Date Inspected:** 15-Nov-2008**Project Name:** SAS Superstructure**OSM Arrival Time:** 630**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1530**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Geng Wei, Zhang Bao Wei**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG Assembly**Summary of Items Observed:**

This report serves to document the events occurring on this date at the following location. Caltrans Quality Assurance (QA) Inspector Robert Vatcher arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island, in Shanghai, China, for the purpose of monitoring welding and fabrication of the San Francisco / Oakland Bay Bridge (SFOBB) components. The QA Inspector observed the following:

**OBG Assembly Bay II**

5AE- No deck panel to deck panel or diaphragm plate to floor beam flange welding occurring as of this time. No Observed Welding Activity

QA performed informal green tagging in conjunction with AB/ F-Caltrans project specific procedure with ZPMC and AB/ F personnel on side plate SP419A

5BE- No deck panel to deck panel or diaphragm plate to floor beam flange welding occurring as of this time. No Observed Welding Activity

QA performed informal green tagging in conjunction with AB/ F-Caltrans project specific procedure with ZPMC and AB/ F personnel on side plate SP602A and deck plate DP433-001

5CE- No deck panel to deck panel or diaphragm plate to floor beam flange welding occurring as of this time. No Observed Welding Activity

3AE- No deck panel to deck panel or diaphragm plate to floor beam flange welding occurring as of this time. No

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## WELDING INSPECTION REPORT

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### Observed Welding Activity

QA performed informal green tagging in conjunction with AB/ F-Caltrans project specific procedure with ZPMC and AB/ F personnel on edge plates EP7A and EP8A

3BE- No deck panel to deck panel or diaphragm plate to floor beam flange welding occurring as of this time. No Observed Welding Activity

4AE- No deck panel to deck panel or diaphragm plate to floor beam flange welding occurring as of this time. No Observed Welding Activity

4BE- No deck panel to deck panel or diaphragm plate to floor beam flange welding occurring as of this time. No Observed Welding Activity

### Mid bay-

NPI of Oregon continues to provide support for various Deck Panel U-rib tack weld crack evaluations by the Phased Array Ultrasonic Method. As well repair work continues by ZPMC laborers on these same components.

5CW- No deck panel to deck panel or diaphragm plate to floor beam flange welding occurring as of this time. No Observed Welding Activity

5BW- No deck panel to deck panel or diaphragm plate to floor beam flange welding occurring as of this time. No Observed Welding Activity

5AW- No deck panel to deck panel or diaphragm plate to floor beam flange welding occurring as of this time. No Observed Welding Activity

4BW- No deck panel to deck panel or diaphragm plate to floor beam flange welding occurring as of this time. No Observed Welding Activity

QA performed informal green tagging in conjunction with AB/ F-Caltrans project specific procedure with ZPMC and AB/ F personnel on side plate SP49B

4AW- No deck panel to deck panel or diaphragm plate to floor beam flange welding occurring as of this time. No Observed Welding Activity

3BW- No deck panel to deck panel or diaphragm plate to floor beam flange welding occurring as of this time. No Observed Welding Activity

3AW- No deck panel to deck panel or diaphragm plate to floor beam flange welding occurring as of this time. No Observed Welding Activity

QA performed informal green tagging in conjunction with AB/ F-Caltrans project specific procedure with ZPMC and AB/ F personnel on edge plate EP5A and bottom plate BP3A

### Summary of Conversations:

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## WELDING INSPECTION REPORT

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No relevant conversations this date.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Peter Dauterman, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Vatcher,Robert
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Quality Assurance Inspector
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<b>Reviewed By:</b>	Cuellar,Robert
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QA Reviewer
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